





★  
№ 3950.2



Atlas

Lawrence Fund



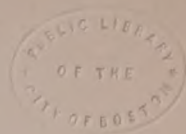








# ATLAS



TO THE

ELEMENTARY AND PRACTICAL PRINCIPLES

OF THE

# CONSTRUCTION OF SHIPS

FOR

*Ocean and River Service.*

BY

\* 3950.2

HAKON A. SOMMERFELDT,

SURVEYOR TO THE ROYAL NORWEGIAN NAVY; KNIGHT OF THE ORDER OF ST. OLAF.

PUBLIC LIBRARY  
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LONDON:

JOHN WEALE, 59, HIGH HOLBORN.

1861.

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1479

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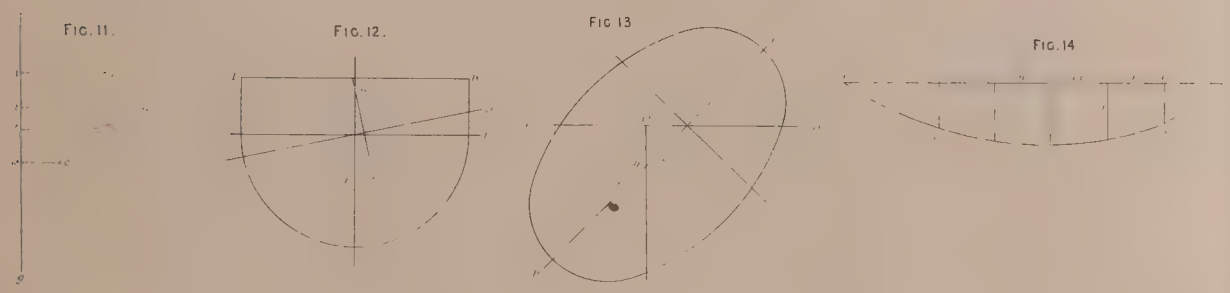
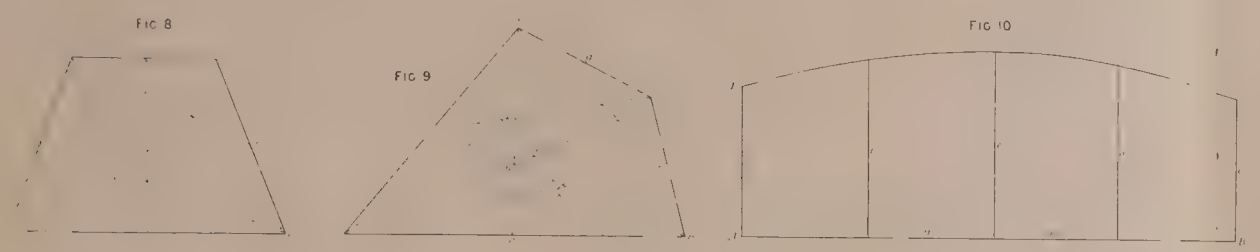
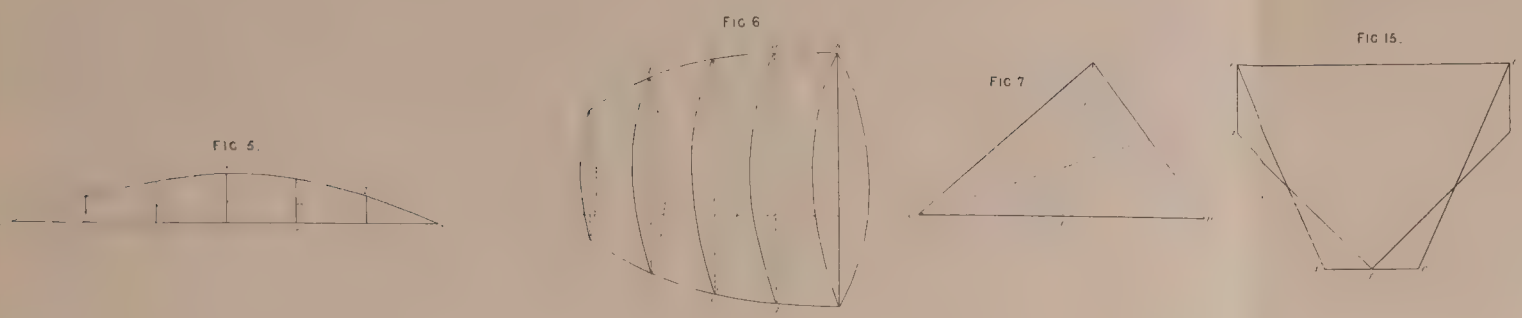
Law. Fund  
Dec. 30, 1861

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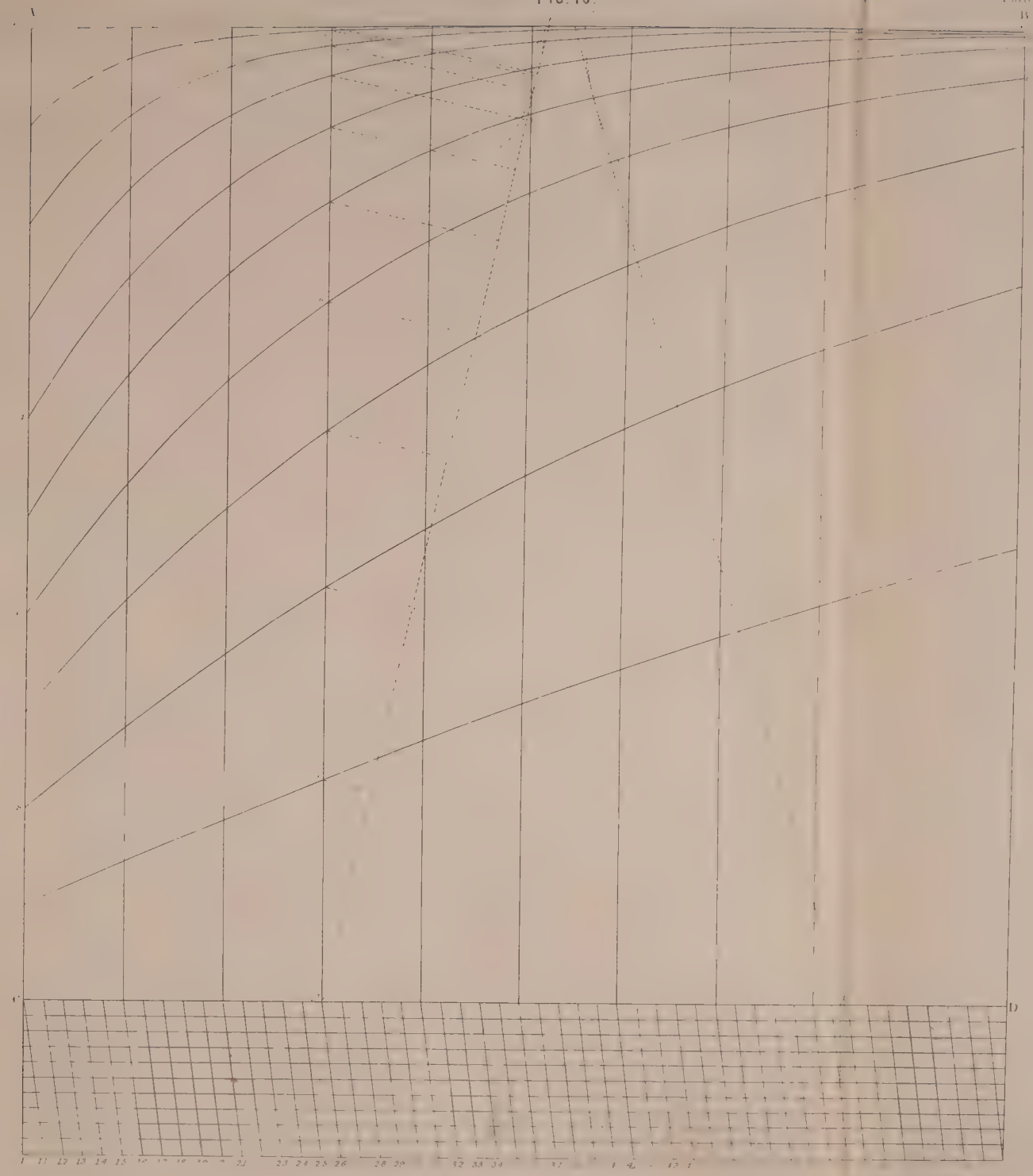


*W. A. Thompson del.*

HORN & WEALE LONDON 1961

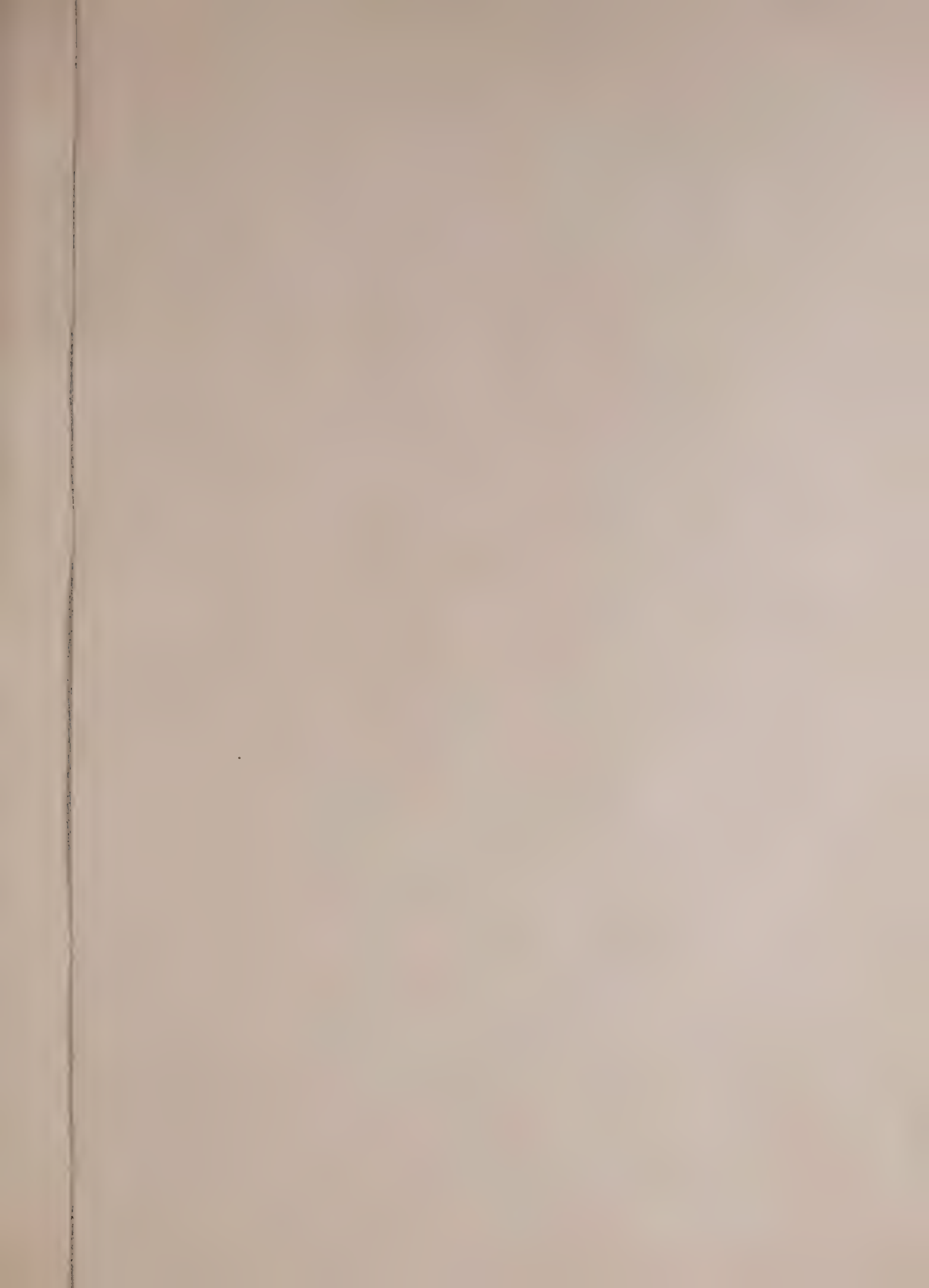
FIG. 16.

Plate 1  
B



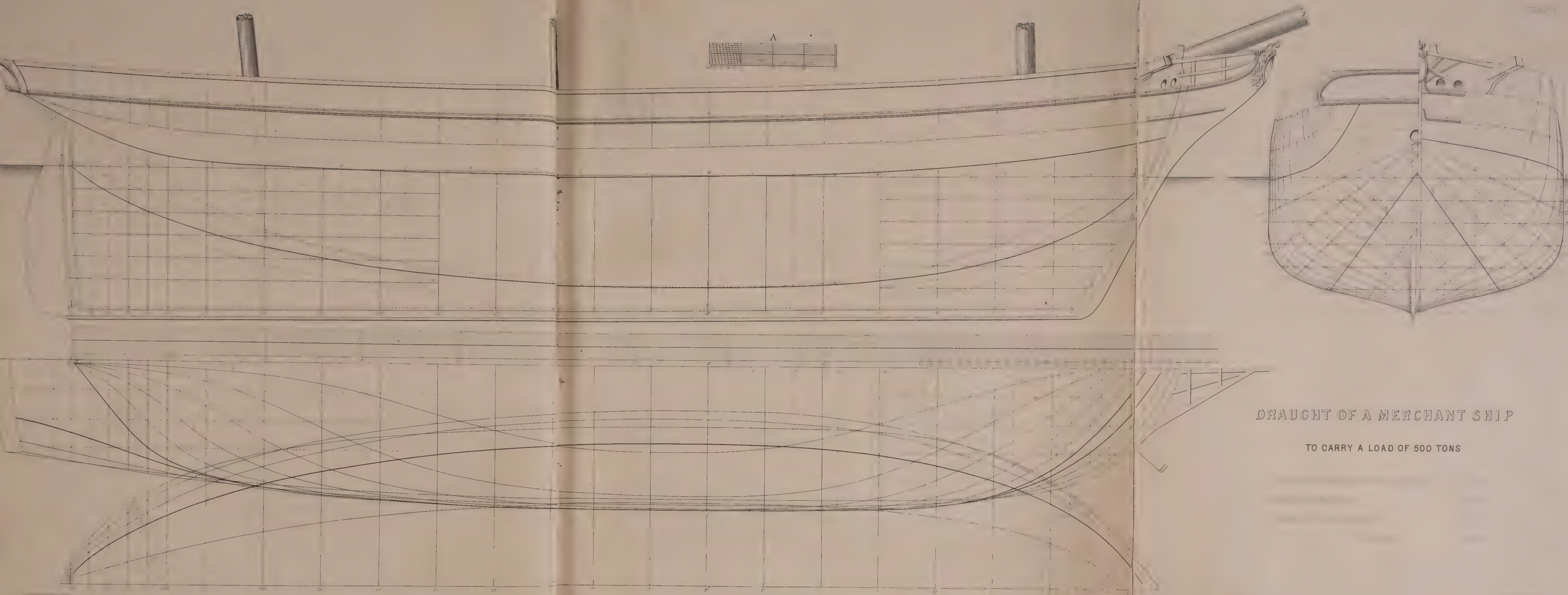












DRAUGHT OF A MERCHANT SHIP

TO CARRY A LOAD OF 500 TONS

JOHN WFALE LONDON 1861

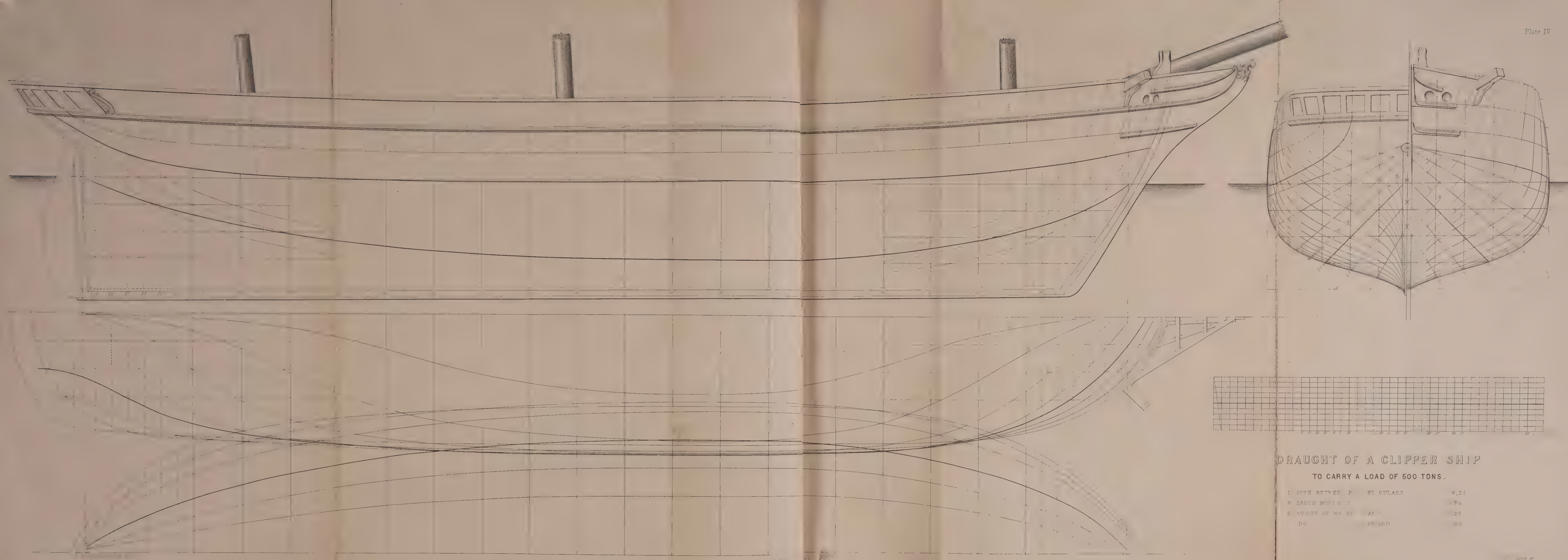
Boston











DRAUGHT OF A CLIPPER SHIP  
TO CARRY A LOAD OF 500 TONS.

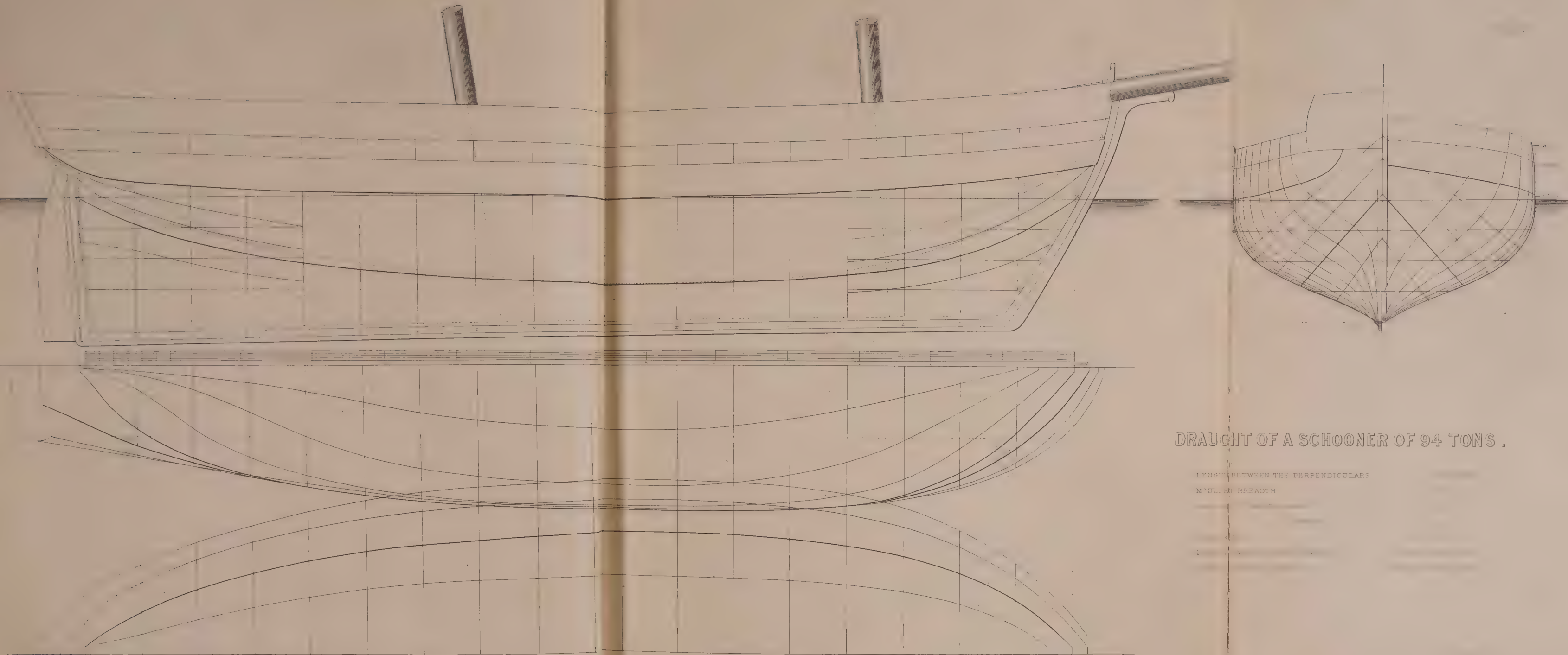
L	JOSEPH BETTIE	P	NI	CULARS	4.21
B	EADTH MOULD	0			.74
D	AUGHT OF W	EI	AI		.25
DO				WARD	.00











DRAUGHT OF A SCHOONER OF 94 TONS.

LENGTH BETWEEN THE PERPENDICULARS

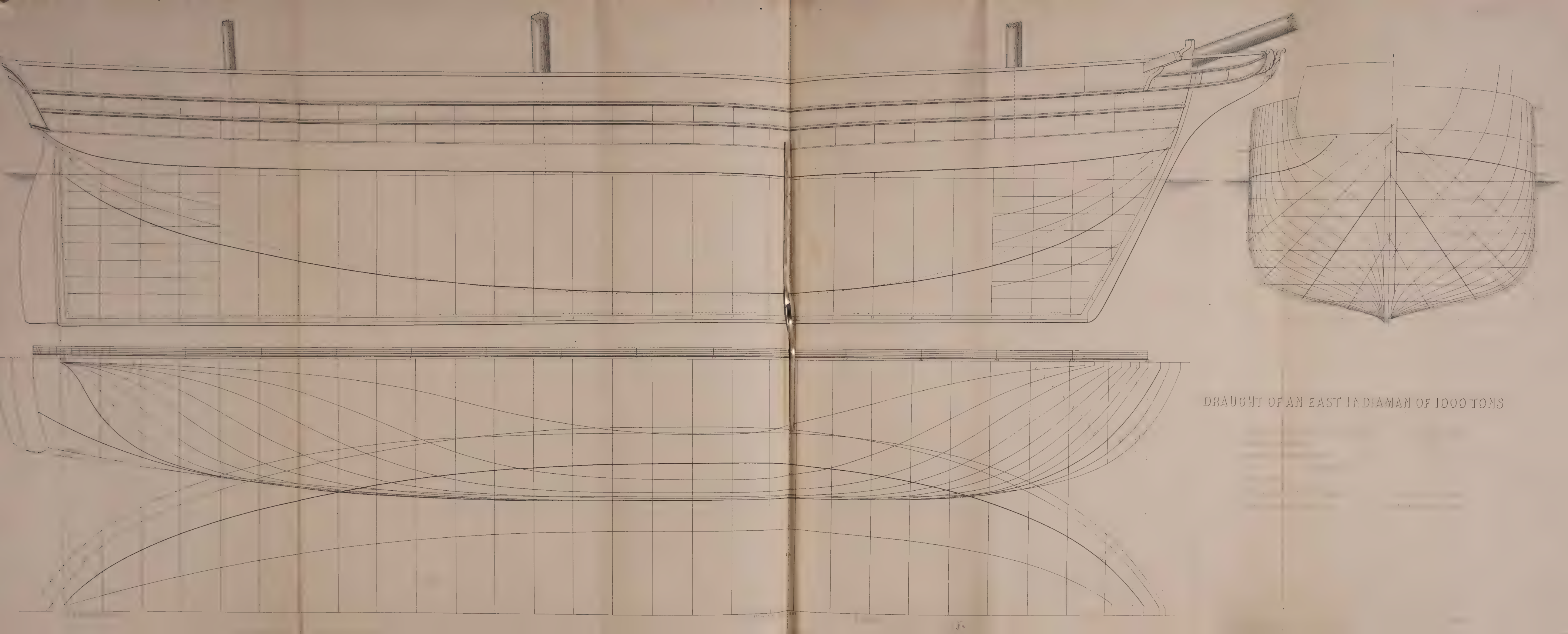
Moulded Breadth











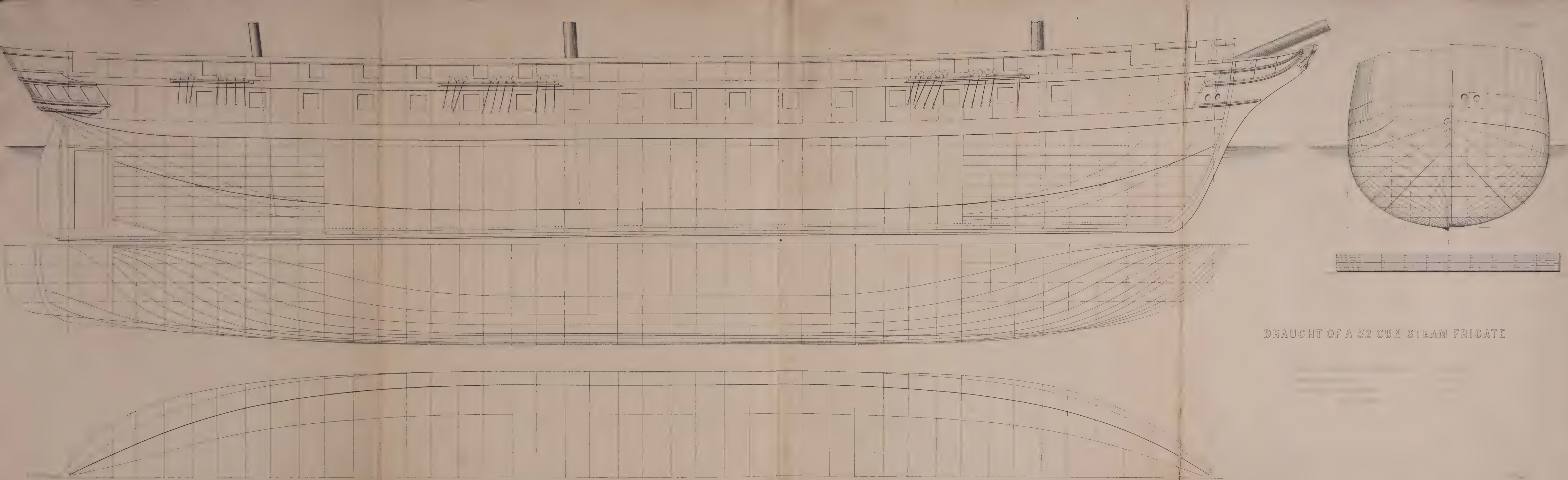
DRAUGHT OF AN EAST INDIAMAN OF 1000 TONS











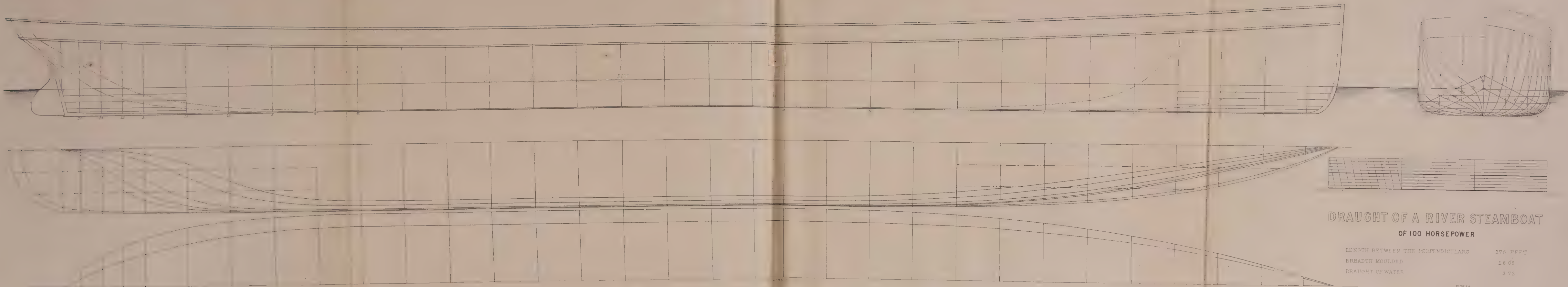
DRAUGHT OF A 52 GUN STEAM FRIGATE











DRAUGHT OF A RIVER STEAMBOAT  
OF 100 HORSEPOWER

LENGTH BETWEEN THE PERPENDICULARS	176 FEET
BREADTH MOULDED	18 06
DRAUGHT OF WATER	3 72

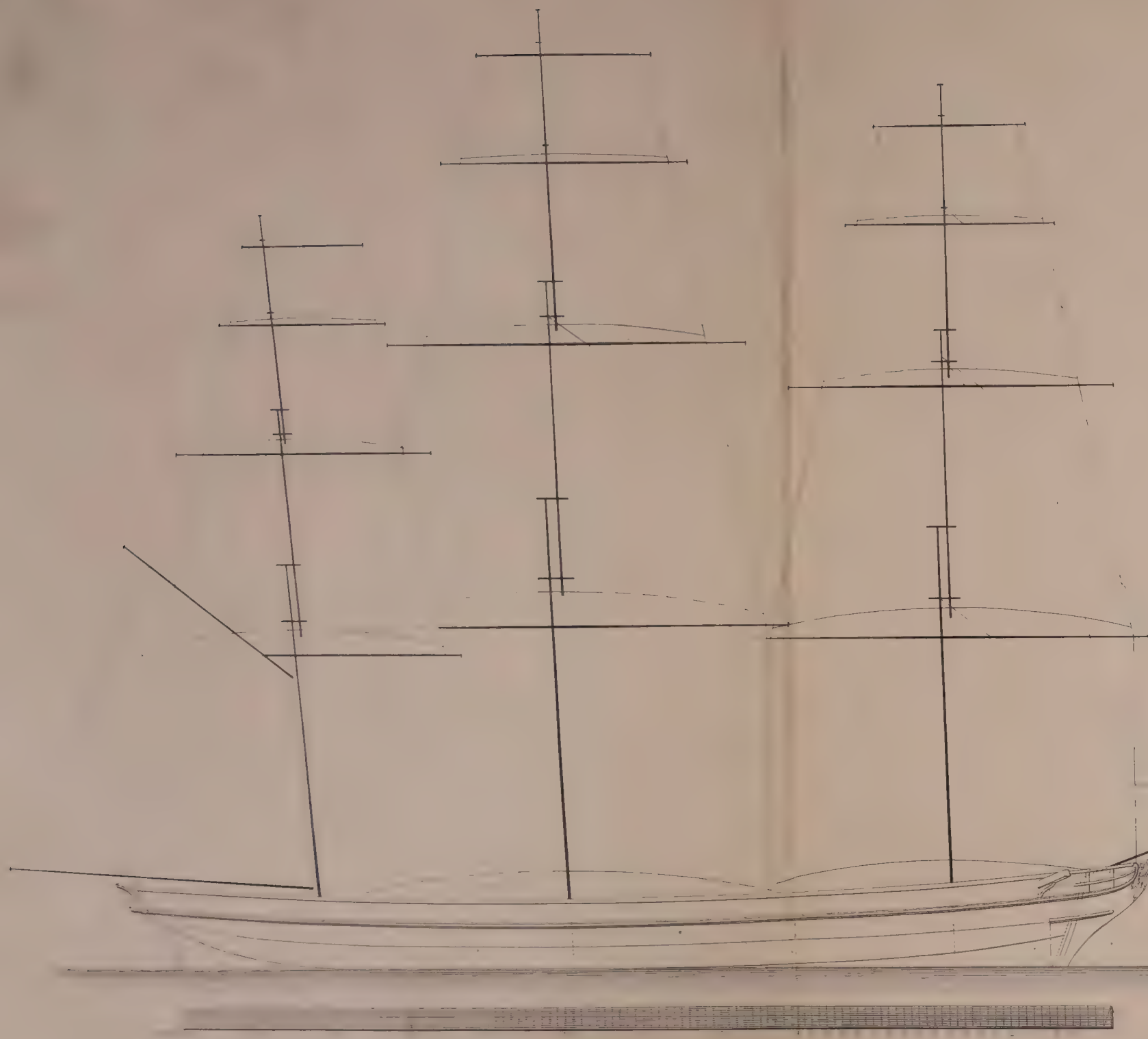
F W Phipps sc



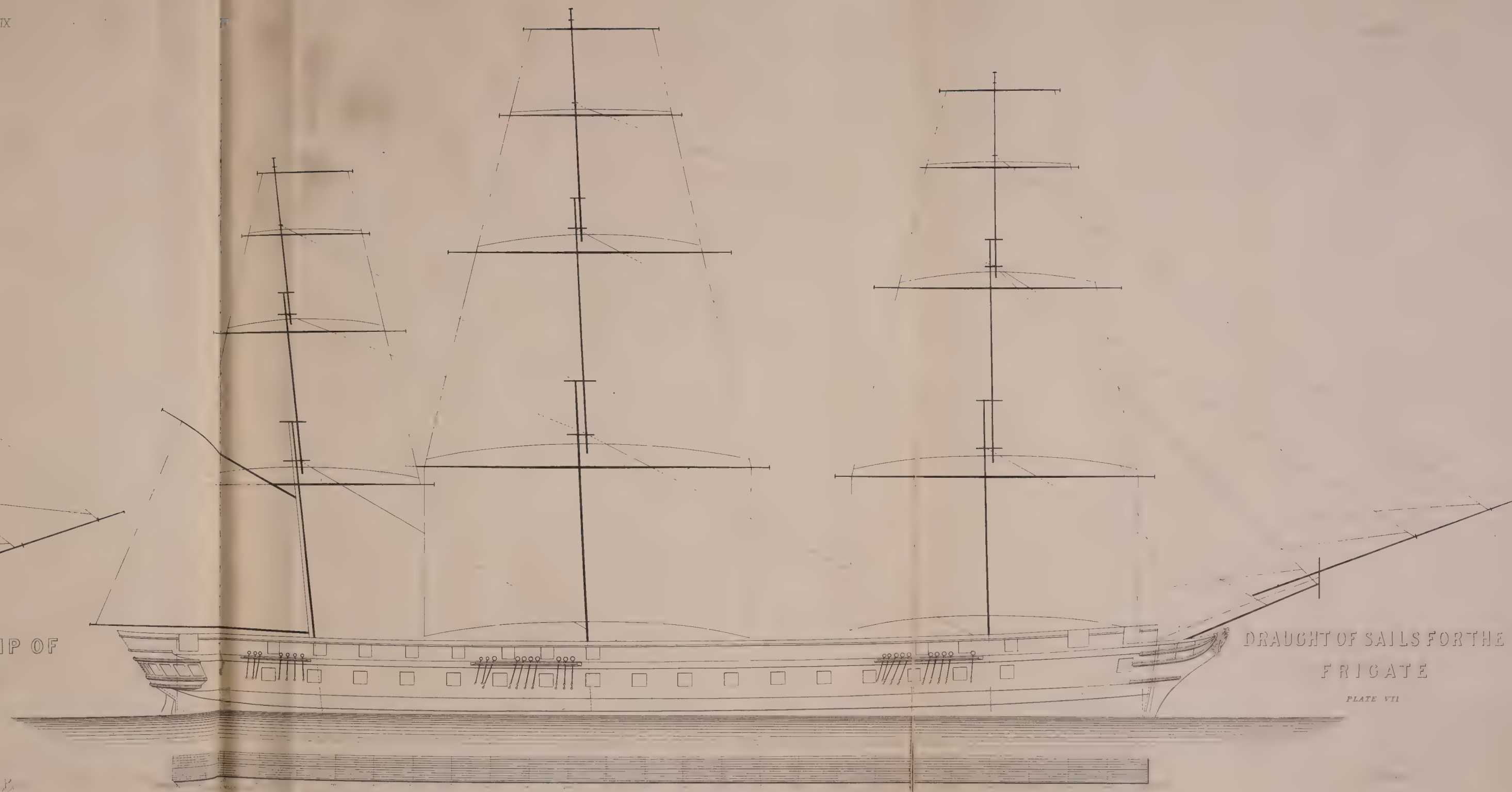








MERCHANT SHIP OF  
500 TONS  
PLATE III.



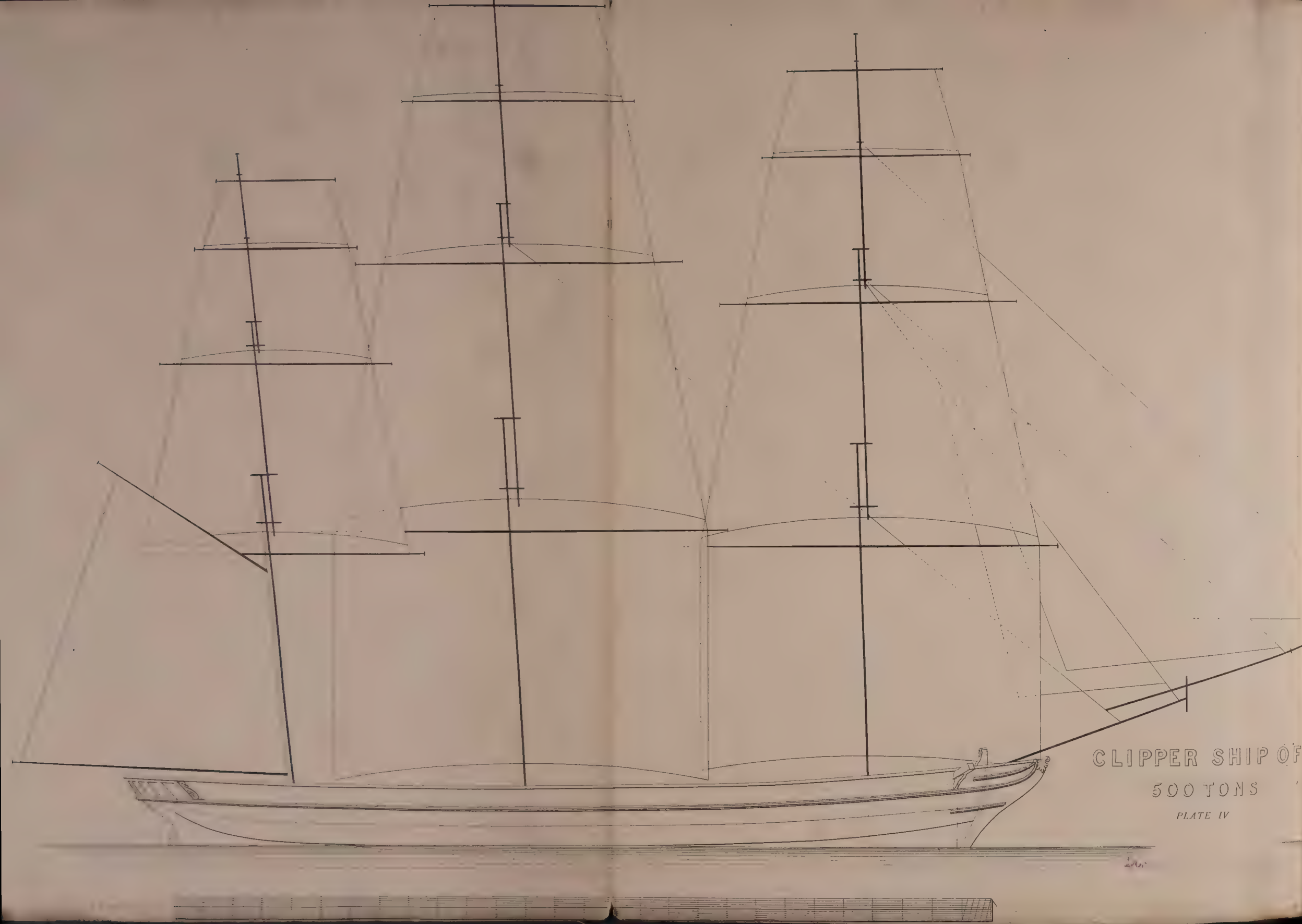
DRAUGHT OF SAILS FOR THE  
FRIGATE  
PLATE VII



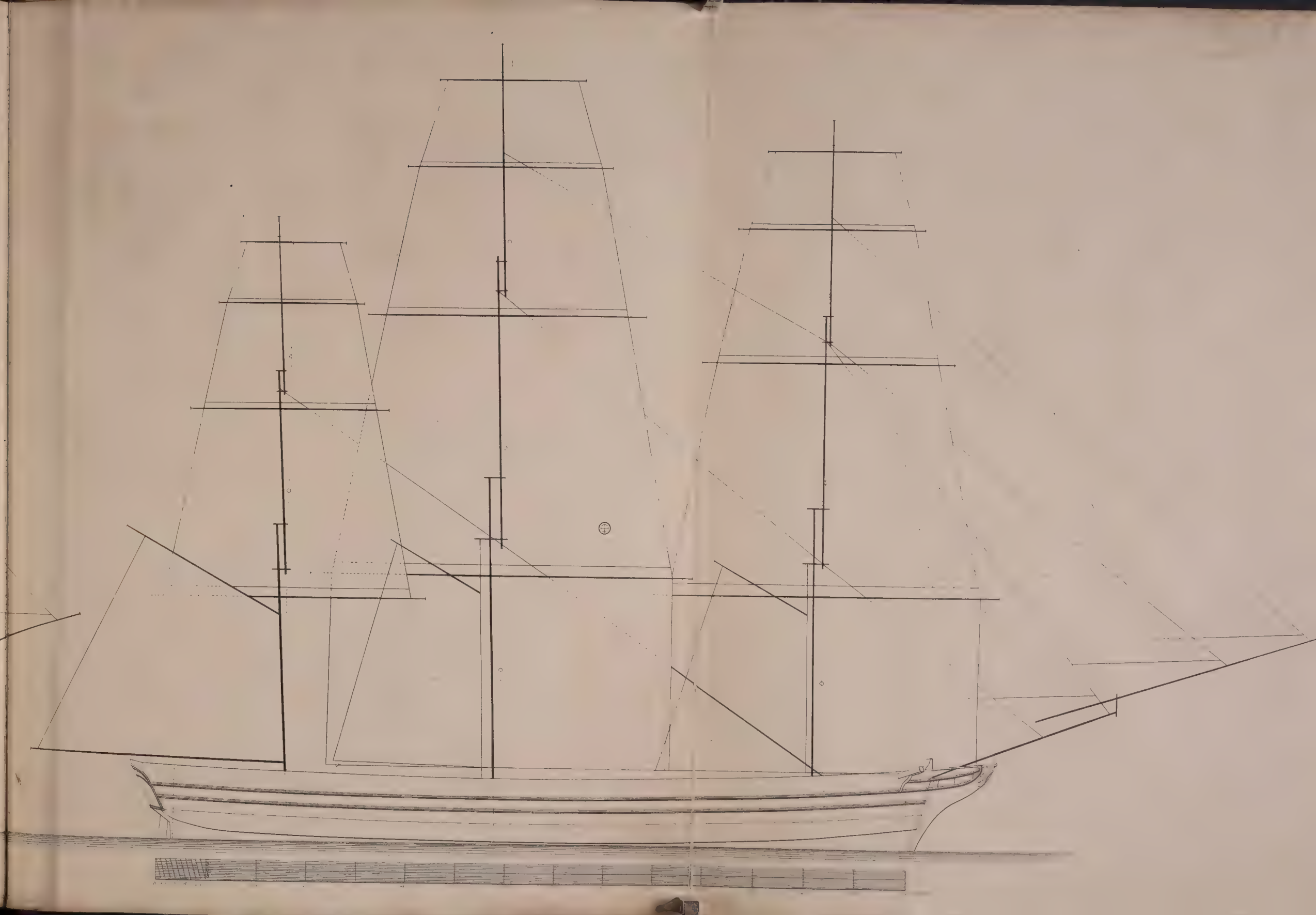








CLIPPER SHIP OF  
500 TONS  
PLATE IV

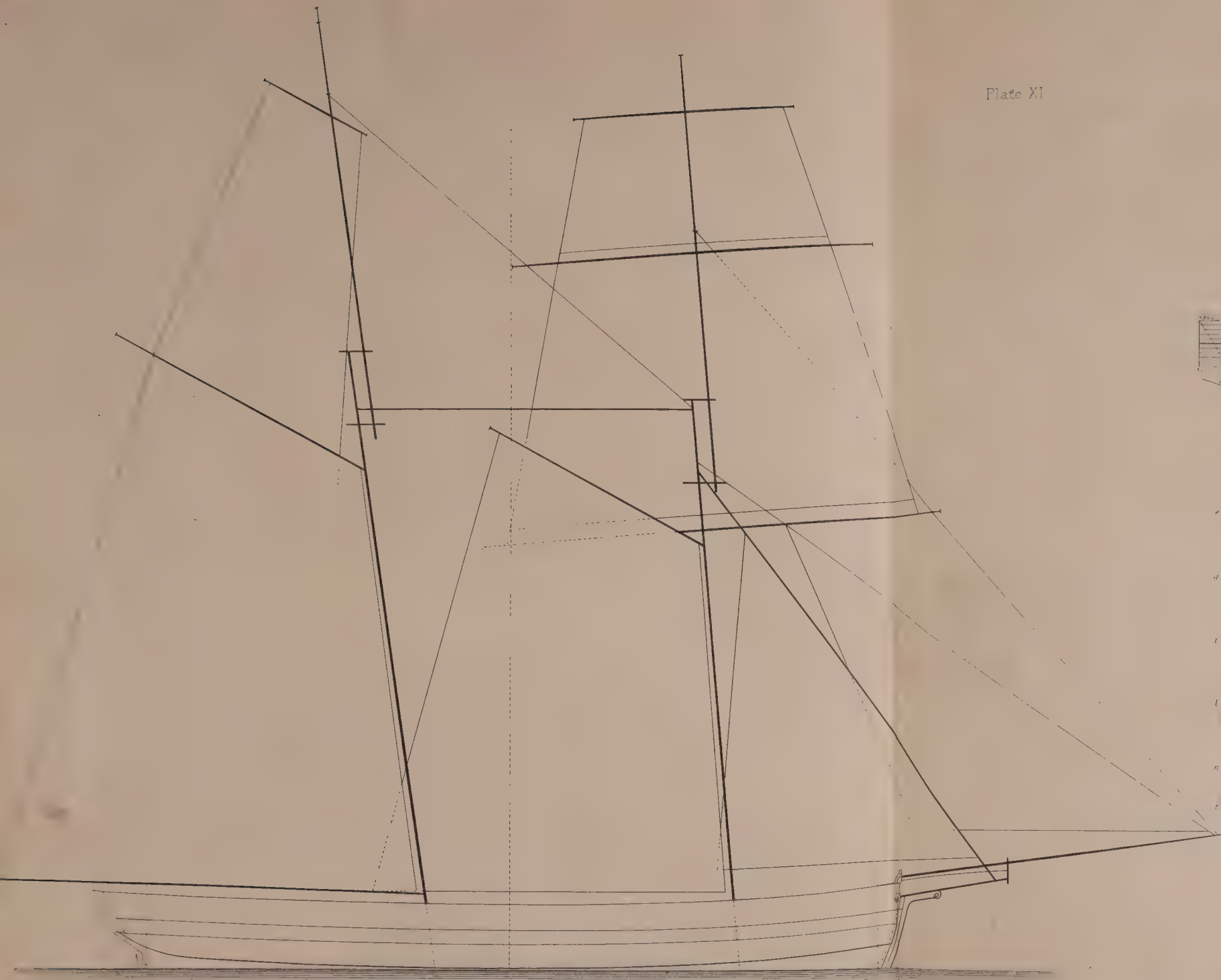








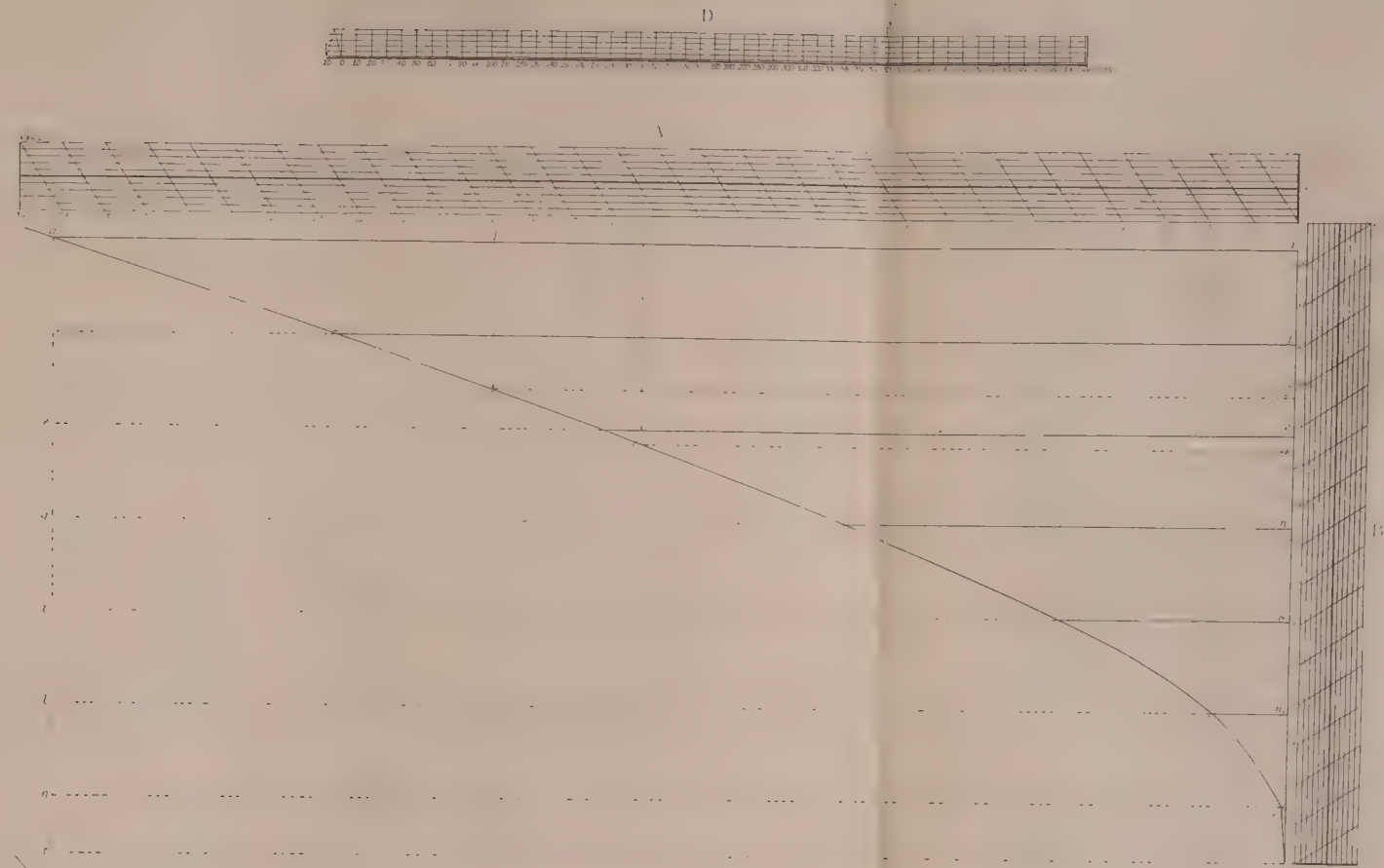




H. A. Sommerfeldt.



JOHN WEALE LONDON 1861



W. D. 1861













B. P. L. Bindery.  
JAN 25 1915

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